

# Boltaron® 9200/9200C

FAR RATED HIGH LIGHT BLOCKING THIN GAUGE SHEET

9 0 0 0  
S E R I E S

## CHARACTERISTICS

- Maximum light-blocking in thin gauges
- Meets FAR flame test criteria
- Single and double color construction
- Tough, durable in use
- 500 lb minimum

## USES

- Aircraft window shades

## PERFORMANCE DETAILS

### FAR RATINGS

|                        |  |
|------------------------|--|
| FAR 25.853(a)(i)       | (Flammability) (Vertical burn, 60 sec) Pass  |
| FAR 25.853(a)(ii)      | (Flammability) (Vertical burn, 12 sec) Pass  |
| FAR 25.853(d)(Part IV) | (OSU Heat Release) (Peak - HRR, kW/m <65) (2 Min - HRR, kW min/m <sup>2</sup> <65) |
| FAR 25.853(d)(Part V)  | (NBS Smoke) (Ds Max <200)  |

### PROPERTIES

|   |                             |                          |
|---|-----------------------------|--------------------------|
| <b>Specific Gravity</b> (ASTM D792)         | 1.49                        |                          |
| <b>Tensile Strength</b> (ASTM D638)         | 6,400 psi                   | 44.2 MPa                 |
| <b>Flexural Strength</b> (ASTM D790)        | 10,500 psi                  | 72.5 MPa                 |
| <b>Flexural Modulus</b> (ASTM D790)         | 460,000 psi                 | 3,172 MPa                |
| <b>Izod Impact Notched</b> (ASTM D256)      | 73 °F<br>2.0 ft-lb/in       | 23 °C<br>106.8J/m        |
| <b>Hardness Rockwell</b> (ASTM D785)        | 115                         |                          |
| <b>Heat Deflection Annealed</b> (ASTM D648) | 172 °F<br>@264 psi          | 78 °C<br>@1.8 MPa        |
| <b>Thermal Expansion</b> (ASTM D696)        | 1.67 x 10 <sup>-5</sup> /°F | 3 x 10 <sup>-5</sup> /°C |

\* Independent lab tests. All tests at 73 °F (23 °C) in dry conditions unless otherwise noted.

### SHEET SIZES

|                |                           |                         |
|----------------|---------------------------|-------------------------|
| <b>Lengths</b> | to 120 in                 | 3,048 mm                |
| <b>Widths</b>  | to 48 in                  | 1,220 mm                |
| <b>Gauges</b>  | from 0.047<br>to 0.060 in | from 1.02<br>to 1.52 mm |

**Custom** Blank sizes, gauges on request

### THERMOFORMING GUIDELINES

|                            |             |             |
|----------------------------|-------------|-------------|
| <b>Forming Temperature</b> | 335 - 365°F | 168 - 185°C |
|----------------------------|-------------|-------------|

9200  
LIGHT BLOCKING

### DESIGN OPTIONS

**Colors** Unlimited  
**Textures** Wide range available  
**Minimum** 500 lb

**Attention:** Avoid using cleaners containing quaternary ammonium compounds. In some cases, disinfectants containing quaternary ammonium compounds (QACs) could cause discoloration when left on at elevated temperatures and should be avoided for use on this grade of Boltaron material. For a full cleaning guide, visit [www.boltaron.com/cleaning-and-disinfecting](http://www.boltaron.com/cleaning-and-disinfecting).

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